

## *Glycera nana* Johnson, 1901

Nomenclature	
Phylum	Annelida
Class	Polychaeta
Order	Aciculata
Family	Glyceridae
Authority	Johnson 1901
Original Description	Johnson, H.P. 1901 [p. 411]
Common Synonyms (S)	
Previous Names (PN)	<i>Glycera capitata</i> (PN)



### Distribution

Type Locality	Port Orchard, Washington, USA
Geographic Distribution	Alaska to central California
Habitat	Subtidal; depth 3-240 m

### Description

A moderate-sized species to about 60-mm for about 140 segments.

Prostomium pointed, longer than wide, with 8-10 rings. Body widest in the anterior region and tapering through the posterior, with triannulate segments throughout.


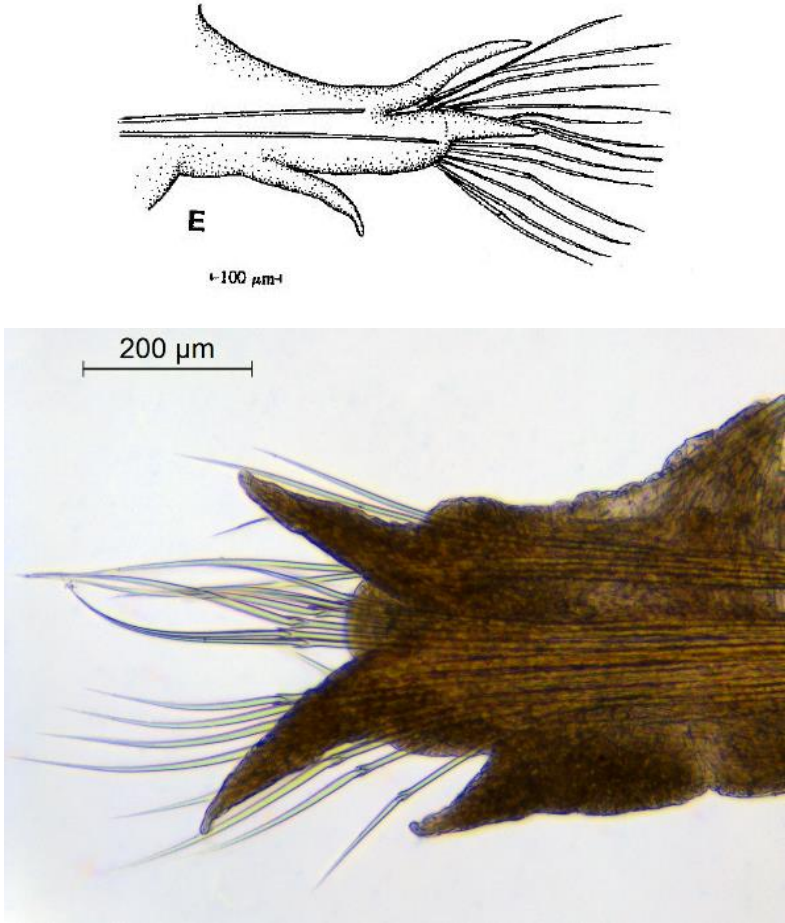
Proboscis densely covered with numerous tall, slender, smooth proboscoidal papillae with a terminal pore, and occasional shorter, ovoid papillae. Ailerons with a long outer ramus diverging from a short inner ramus, and fused to a thin interramal plate.

Elongated parapodia slender, with two acutely pointed presetal lobes and a single short, rounded postsetal lobe. Dorsal cirri small, papilliform; ventral cirri slender and conical.

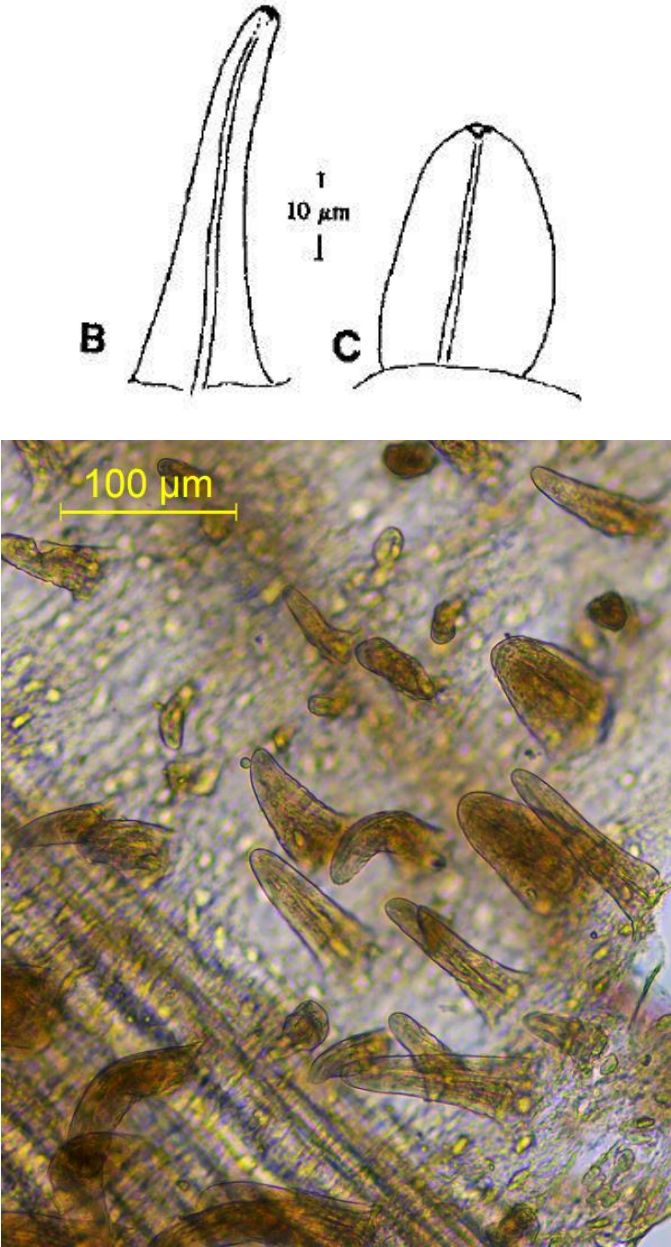
Capillary notosetae with minute spinules distally; neurosetae compound spinigers, twice as wide as the notosetae, with finely serrated blades.

Pygidium ring-shaped, with a pair of slender, ventrally inserted cirri.

# Glycera nana

Diagnostic Characteristics		
Diagnostic Characteristics	Photos, Illustrations	Photo, Illustration Credit
<p>Body with triannulate segments throughout</p>		<p>Marine Sediment Monitoring Team</p>
<p>Median parapodia with 2 pointed presetal lobes and one low, rounded postsetal lobe; branchiae absent</p>		<p>Hilbig 1994</p> <p>Marine Sediment Monitoring Team</p>

# Glycera nana

<p>Proboscis papillae of 2 kinds: short and globular (few) and tall, smooth, without ridges</p>		<p>Hilbig 1994</p> <p>Marine Sediment Monitoring Team</p>
---	---	---

Related Species and Characteristic Differences	
Species Name	Diagnostic Characteristics
<i>Glycera americana</i>	Most proboscis papillae conical with 2-3 indistinct transverse ridges; parapodia with two short, conical postsetal lobes; median segments biannulate; parapodia with dendritically branched branchiae
<i>Glycera oxycephala</i>	Prostomium slender, acutely conical, with indistinct rings; proboscis papillae with numerous V-shaped transverse ridges; presetal lobes digitiform
<i>Glycera capitata</i>	Median segments biannulate

# *Glycera nana*

## Comments

There is confusion in the literature concerning *Glycera nana* Johnson, 1901, described from Puget Sound, WA, and *G. capitata* Ørsted, 1843, described from Greenland. O'Connor (1986) noted that *G. capitata* had become a "catch-all" species for specimens with smooth proboscoidal papillae and rounded postsetal lobes, and he restricted the species to those specimens having only biannulate median segments.

Böttgeman (2002), on the other hand, has synonymized the two. *G. capitata* currently appears to be a boreal form, while *G. nana* occurs in more temperate waters. Until definitive DNA work is accomplished on this group, the Puget Sound species having triannulate segments is being recognized as *G. nana*.

## Literature

- Böttgeman, M. 2002. Revision of the Glyceridae Grube, 1850 (Annelida: Polychaeta). Abh. senckenberg. naturforsch. Ges. 555: 1-249. [p. 34]
- Hilbig, B. 1992. New polychaetous annelids of the families Nereididae, Hesionidae, and Nephtyidae from the Santa Maria Basin, California, with a redescription of *Glycera nana* Johnson, 1901. Proc. Biol. Soc. Wash. 105(4): 709-722. [p. 716]
- Hilbig, B. 1994. Chapter 12. Family Glyceridae Grube, 1850. Pages 197-214. IN: Blake, J.A.; B. Hilbig; and P.H. Valentich-Scott (editors). Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and Western Santa Barbara Channel. Volume 4 -The Annelida Part 1. Oligochaeta and Polychaeta: Phyllodocida (Phyllodocidae to Paralacydoniidae). Santa Barbara Museum of Natural History, Santa Barbara, California. ISBN 0-93649-09-03. [p. 204]
- Johnson, H.P. 1901. The Polychaeta of the Puget Sound region. Proc. Boston Soc. Nat. Hist. 29: 381-437. [p. 411]
- O'Connor, B.D.S. 1986. The Glyceridae (Polychaeta) of the north Atlantic and Mediterranean, with descriptions of two new species. Sch. Mar. Sci. Contr. 269: 167-189. [p. 183]
- Ørsted, A. S. 1843. Grønlands Annulata dorsibranchiata. K. Vidensselsk. Abhandl., Copenhagen 10: 155-211. [p. 196]

## More Information

More information about Puget Sound benthic invertebrates is available at:

<http://www.ecy.wa.gov/programs/eap/psamp/index.htm>

Prepared by R. Eugene Ruff (Ruff Systematics) and Kathy Welch (Department of Ecology) on 6/28/13. This document is available on the Department of Ecology's website at <https://fortress.wa.gov/ecy/publications/SummaryPages/1403214.html>.

If you need this document in a format for the visually impaired, call (360) 407-6764. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341.